

Chemistry 402 - Art & Chemistry

T 1:10-4:00

Sheryl Hemkin

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Office

Tomsich 106

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Office hours

T 4-5pm, W 4-5pm, Th 12n-1pm

and by appointment

Course Description -

This course presents a study of chemistry as applied to the visual arts. Over the semester students will gain a deeper perspective on the role of chemistry in the creation and conservation of paintings, metal sculpture and photography. As the class progresses students will find that the chemical topics will cover the range of chemical sub-disciplines, from the biochemistry of vision to the physical chemistry concepts that lie behind digital photography.

Students with Disabilities

If you have a disability and therefore may have need of some type of accommodation(s) in order to fully participate in this class, please feel free to discuss your concerns in private with us and also to self-identify yourself to Erin Salva, Coordinator of Disability Services at PBX 5145 or via email at "salvae@kenyon.edu". Please note that it is mandatory that you see Erin Salva for any accommodations to be given.

Academic Honesty

Please read Kenyon's statement "Academic Honesty and Plagiarism" found in the Course of Study. In short, materials submitted for grading must be your own work, that is, not a copy of someone else's work, even in part.

Changes

Any and all parts of this syllabus are subject to change. Notification of such changes will be made in class or via e-mail prior to taking effect.

Evaluation

Final Critique & Presentation	25 %
Homework & Daily presentations	25 %
Paper Critique & presentation	20 %
Quizzes (4)	20 %
Participation	10 %

- Tentative Schedule -

<i>week</i>	
<i>week 1 - j 13</i>	Intro, nature of light and color
<i>week 2 - j 20</i>	Chemical Details of Color and Pigment; Painting – ground, paint and finishes
<i>week 3 - j 27</i>	Painting – ground, paint and finishes; conservation
<i>week 4 - f 3</i>	Quiz. Painting – ground, paint and finishes; conservation
<i>week 5 - f 10</i>	Chemical details of metals used in sculpture; Metal sculpture – materials and techniques
<i>week 6 - f 17</i>	Metal sculpture – materials and techniques
<i>week 7 - f 24</i>	Quiz. Guest John Cline. There will be 2 out of class lectures by Mr. Cline that you will be expected to attend if you have no conflict.
<i>week 8 - m 17</i>	Metal sculpture –conservation; Fresco - history
<i>week 9 - m 24</i>	Fresco - techniques
<i>week 10 - m 31</i>	Quiz. Fresco - conservation
<i>week 11 - a 7</i>	History and science behind changes in photographic methods
<i>week 12 - a 14</i>	Photography – daguerreotype, traditional film, digital
<i>week 13 - a 21</i>	Quiz. Photography – daguerreotype, traditional film, digital
<i>week 14 - a 28</i>	30-min final presentation critique
<i>final</i>	8:30 am may 7 th